

INTERNATIONAL SEARCH REPORT

PCT/GB 03/05293

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B1/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 34625 A (ERICSSON TELEFON AB L M) 8 July 1999 (1999-07-08) page 1, line 4 - line 19 page 5, line 24 - line 27 page 6, line 19 -page 7, line 7 page 9, line 3 - line 11 page 13, line 21 - line 23 page 13, line 29 -page 14, line 5 page 21, line 1 - line 7 figure 1 figure 3B figure 4	1,2,7,8
X	WO 98 17012 A (ERICSSON GE MOBILE INC) 23 April 1998 (1998-04-23) page 3, line 24 -page 4, line 4 page 19, line 18 - line 30 figure 1	1,7
-/-		



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

10 March 2004

Date of mailing of the international search report

30/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 870 402 A (KELLEY EDWIN A) 9 February 1999 (1999-02-09) column 2, line 46 - line 64 figures 2A,2B ---	1-11
A	US 6 256 358 B1 (DIFIORE NICHOLAS LAWRENCE ET AL) 3 July 2001 (2001-07-03) column 1, line 39 - line 46 column 1, line 58 -column 2, line 2 ---	1-11
A	WO 99 09721 A (MOTOROLA INC) 25 February 1999 (1999-02-25) page 5, line 21 - line 24 page 6, line 25 - line 30 figure 1 ---	1-11
A	WO 98 57467 A (ERICSSON GE MOBILE INC) 17 December 1998 (1998-12-17) page 6, line 8 - line 18 page 12, line 19 - line 25 -----	4,9

INTERNATIONAL SEARCH REPORT

PCT/GB 03/05293

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9934625	A	08-07-1999	SE 521035 C2	23-09-2003
			AU 750500 B2	18-07-2002
			AU 2082099 A	19-07-1999
			BR 9814513 A	10-10-2000
			CN 1283372 T	07-02-2001
			EE 200000400 A	15-10-2001
			EP 1044572 A1	18-10-2000
			JP 2002500490 T	08-01-2002
			SE 9704896 A	30-06-1999
			WO 9934625 A1	08-07-1999
			US 6385262 B1	07-05-2002
WO 9817012	A	23-04-1998	US 6546044 B1	08-04-2003
			AU 4802997 A	11-05-1998
			BR 9712510 A	19-10-1999
			CN 1240069 A ,B	29-12-1999
			EE 9900143 A	15-12-1999
			ES 2152907 A1	01-02-2001
			GB 2333195 A ,B	14-07-1999
			ID 22154 A	09-09-1999
			JP 2001502496 T	20-02-2001
			WO 9817012 A1	23-04-1998
US 5870402	A	09-02-1999	US 5621730 A	15-04-1997
			CA 2066540 A1	14-12-1992
			DE 4219308 A1	17-12-1992
			GB 2258103 A ,B	27-01-1993
			JP 2831512 B2	02-12-1998
US 6256358	B1	03-07-2001	JP 5183461 A	23-07-1993
			CA 2326103 A1	07-10-1999
			EP 1066678 A1	10-01-2001
			WO 9950954 A1	07-10-1999
			JP 3380229 B2	24-02-2003
WO 9909721	A	25-02-1999	JP 2002510887 T	09-04-2002
			GB 2335119 A	08-09-1999
WO 9857467	A	17-12-1998	WO 9909721 A1	25-02-1999
			US 6243428 B1	05-06-2001
			AU 7695898 A	30-12-1998
			CN 1259251 T	05-07-2000
			DE 69817563 D1	02-10-2003
			EP 0986883 A1	22-03-2000
			JP 2002512760 T	23-04-2002
			TW 392398 B	01-06-2000
			WO 9857467 A1	17-12-1998